

WHAT IS CLAIMED IS:

1. A fuel cell powered electric vehicle, comprising:

5 a fuel cell controlled at a predetermined temperature;

an electricity storing device for storing electricity generated by the fuel cell; and

10 a box for storing the fuel cell and the electricity storing device disposed under a floor of a cabin, the

box including a plate for separating the fuel cell from the electricity storing device,

wherein

15 a through hole for connecting between the electricity storing device and the cabin is provided on the box, and

wherein

the electricity storing device is cooled by air which has passed through the through hole.

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2. The fuel cell powered electric vehicle according to claim 1, further comprising:

a heat insulating material provided on the plate.

3. The fuel cell powered electric vehicle according to claim 1,

wherein

5 the electricity storing device has a refrigerant inlet port and a refrigerant outlet port so that the refrigerant inlet and outlet ports connect to the cabin via the trough hole.

10 claim 4. The fuel cell powered electric vehicle according to claim 1,

wherein

the electricity storing device is controlled at a predetermined temperature.

15 5. The fuel cell powered electric vehicle according to claim 4,

wherein

the predetermined temperature is in a range of from 20 about 40 to 50°C.

6. The fuel cell powered electric vehicle according to claim 1, further comprising:

a cooling device controlling the fuel cell at a 25 predetermined temperature.

7. The fuel cell powered electric vehicle according to claim 6,

wherein

5 the predetermined temperature is in a range of from about 60°C to 80°C.